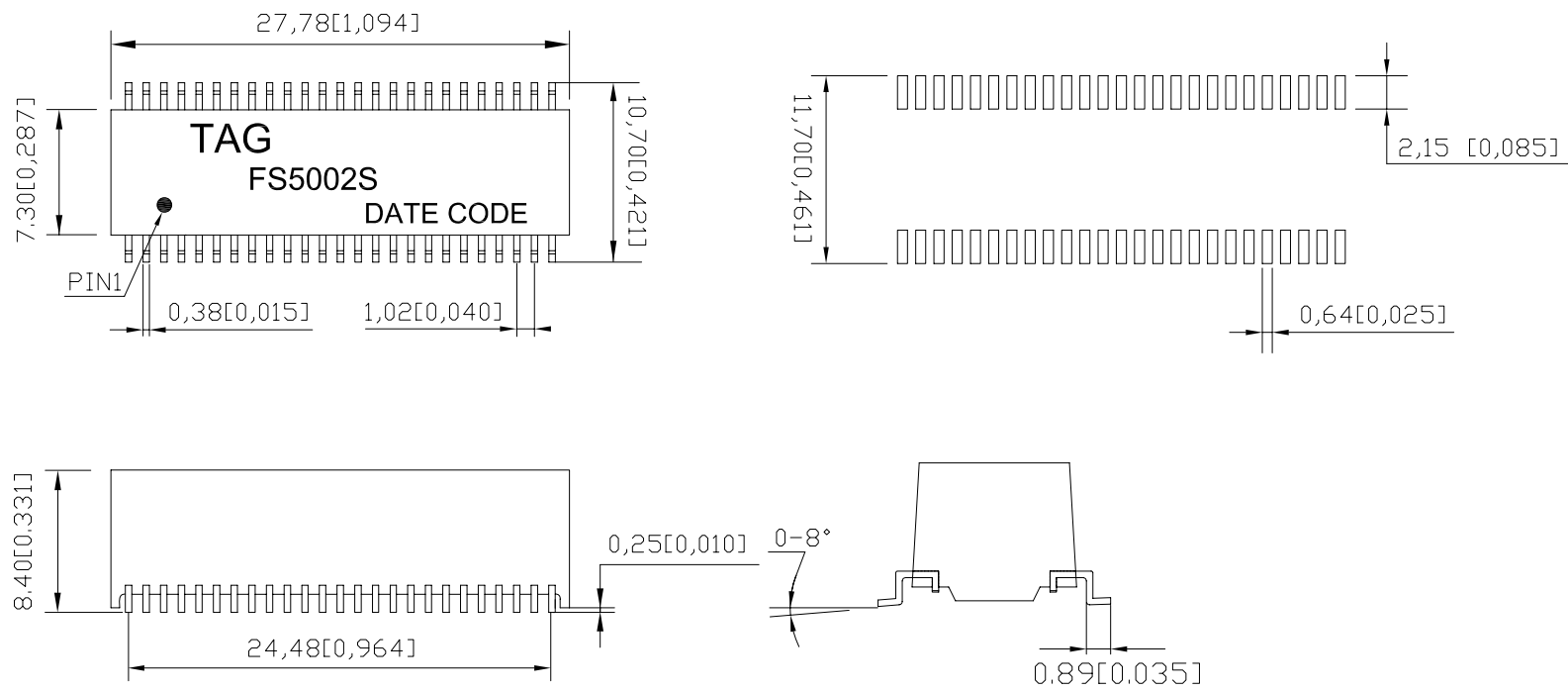


REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2015-2-28

1. MECHANICAL DIMENSIONS :



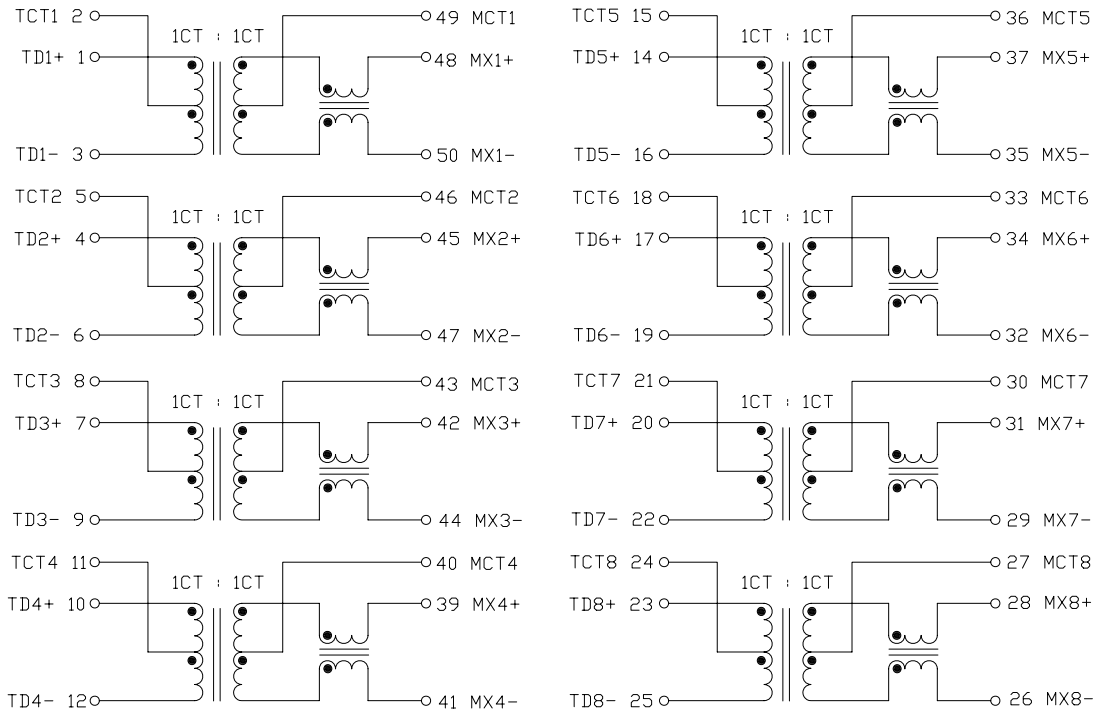
RoHS Compliant

NOTE. DIMENSIONS:MM(INCHES)/UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.50(0.020).

泰安吉科技(深圳)有限公司 TAG TECHNOLOGY CO., LTD.	A4 SIZE	TAG PART NO.: <b>FS5002S</b>	VENDOR PART NO.:		Drawn:	Rita
					Designed:	Evan
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TAG TECHNOLOGY CO., LTD. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUSES OR DEVICES WITHOUT PERMISSION.	THIRD ANGLE PROJECTION	DESCRIPTION: 2.5G BASE-T TRANSFORMER MODULES	UNIT	mm[inch]	USED ON	Approved: Paul Li Date: 2015-2-28
			SHEET	1	OF	

REV.	CHANGGE DESCRIPTION	DATE
A	New Issue	2015-2-28

## 2. SCHEMATIC:



 注① : 2.5G BASE-T TRANSFORMER MODULES

RoHS Compliant

## 3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V); 100%  
 PINS:(1,3):(48,50)=1:1±3%;(4,6):(45,47)=1:1±3%  
 PINS:(7,9):(42,44)=1:1±3%;(10,12):(39,41)=1:1±3%  
 PINS:(14,16):(37,35)=1:1±3%;(17,19):(34,32)=1:1±3%  
 PINS:(20,22):(31,29)=1:1±3%;(23,25):(28,26)=1:1±3%
- LX:(100KHz,100mV,1mA, DC Bias); 100%  
 PINS:(1,3),(4,6),(7,9),(10,12),(14,16),(17,19),(20,22),(23,25)=150uH MINIMUM
- DCR; 100%  
 PINS:(48,50),(45,47)(42,44),(39,41),(37,35),(34,32),(31,29),(28,26)=1.2Ω MAXIMUM
- HIPDT; 100%  
 PINS:(1,2,3)TO(48,49,50),(4,5,6)TO(45,46,47)=1500VAC FOR 60 SECONDS  
 PINS:(7,8,9)TO(42,43,44),(10,11,12)TO(39,40,41)=1500VAC FOR 60 SECONDS  
 PINS:(14,15,16)TO(37,36,35),(17,18,19)TO(34,33,32)=1500VAC FOR 60 SECONDS  
 PINS:(20,21,22)TO(31,30,29),(23,24,25)TO(28,27,26)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:  
 -1.0dB MAXIMUM AT 1MHz TO 100MHz;  
 -1.5dB MAXIMUM AT 100MHz TO 125MHz;  
 -2.5dB MAXIMUM AT 125MHz TO 250MHz;
- RETURN LOSS:  
 -16dB MINIMUM AT 1MHz TO 40MHz;  
 -10dB MINIMUM AT 40MHz TO 100MHz;  
 -6dB MINIMUM AT 100MHz TO 125MHz;
- CROSS TALK  
 -30dB MINIMUM AT 1MHz TO 100MHz;  
 -25dB MINIMUM AT 100MHz TO 125MHz;
- COMMON TO COMMON MADE REJECTION:  
 -30dB MINIMUM AT 1MHz TO 100MHz;  
 -25dB MINIMUM AT 100MHz TO 125MHz;
- OPERATING TEMPERATURE 0°C to +70°C

**TAG**

泰 安 吉 科 技(深 圳) 有 限 公 司  
TAG TECHNOLOGY CO., LTD.

A4  
SIZE

TAG PART NO.:  
FS5002S

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

Approved: Paul Li

Date: 2015-2-28

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DESCRIPTION:

2.5G BASE-T TRANSFORMER MODULES

UNIT	mm[inch]	USED ON
SHEET	2	OF 2

REV.

A